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NEW BOOKS.

New Plane Geometry. By EDWARD RUTLEDGE ROBBINS. New York: American Book Company. Pp. vi + 264.

This text covers a maximum course, having two hundred formally proved theorems, many of which might well be omitted or relegated to the appendix. The first book seems very much confused in its order, as theorems on triangles, parallels, quadrilaterals and locus are intermingled with no evident division to fix the order for the pupil. It closes with a helpful classified summary of the method discovered for future use. This idea is not followed out throughout.

The section on variables and limits is open to grave criticism as to its correctness. It would be better to omit proofs rather than to beg the question. In the work on locus the author uses the "negative" method of proof.

Among the good features of the book are its attractive pages, its easily read proofs and some good sets of exercises.

Descriptive Geometry. By H. W. MILLER. New York: John Wiley and Sons. Pp. 149. \$1.50.

This is the third edition of this book. It is written in simple conversational style and shows itself to be the work of a careful teacher. The problems are taken up by "Discussion," "Analysis," and "Construction," and the aim is evidently, as is made clear in the preface, the development of the student's power to think analytically. The reference chapter at the beginning, and the "Quiz Sheets" at the end, should both prove valuable.

First Year Course in General Science. By CLARA A. PEASE. New York: Charles E. Merrill Company. Pp. 315. \$1.20.

The book offers a foundational course in science, including parts of physical geography, astronomy, biology, physics, chemistry and geology. It prepares the pupil for later specialization, rather than attempting to finish any subject, but it is a book for serious study, not one for casual reading. It has good type, interesting subject matter and many illustrations, and seems well worth examination.

Plane Trigonometry. By A. M. HARDING and J. S. TURNER. New York: G. P. Putnam's Sons. Pp. xiii + 158; Tables 51. Without tables 90 cents, with, \$1.10.

The first chapter reviews the geometry used in trigonometry, giving the proofs as well as the principles. The authors have tried to keep the pupil from feeling lost in the new subject by developing the practise